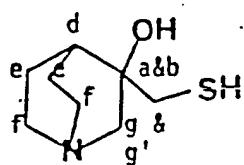


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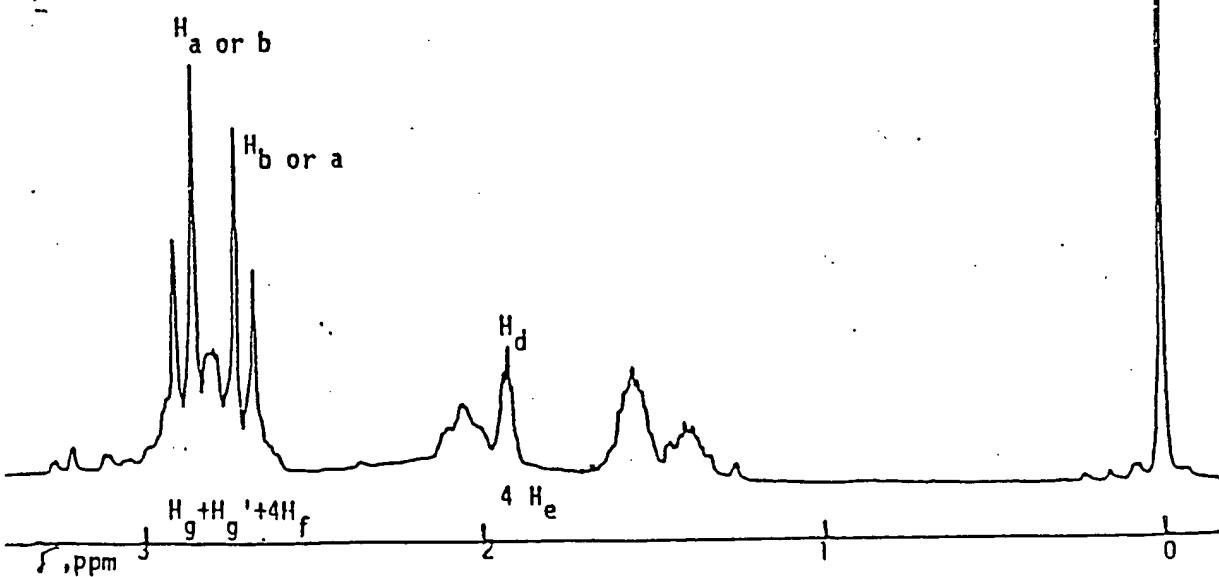
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FIG. 1 NMR SPECTRUM OF 3-HYDROXY-3-MERCAPTO-METHYLQUINUCLIDINE



SOLVENT: $CDCl_3$
250 MHz - NMR

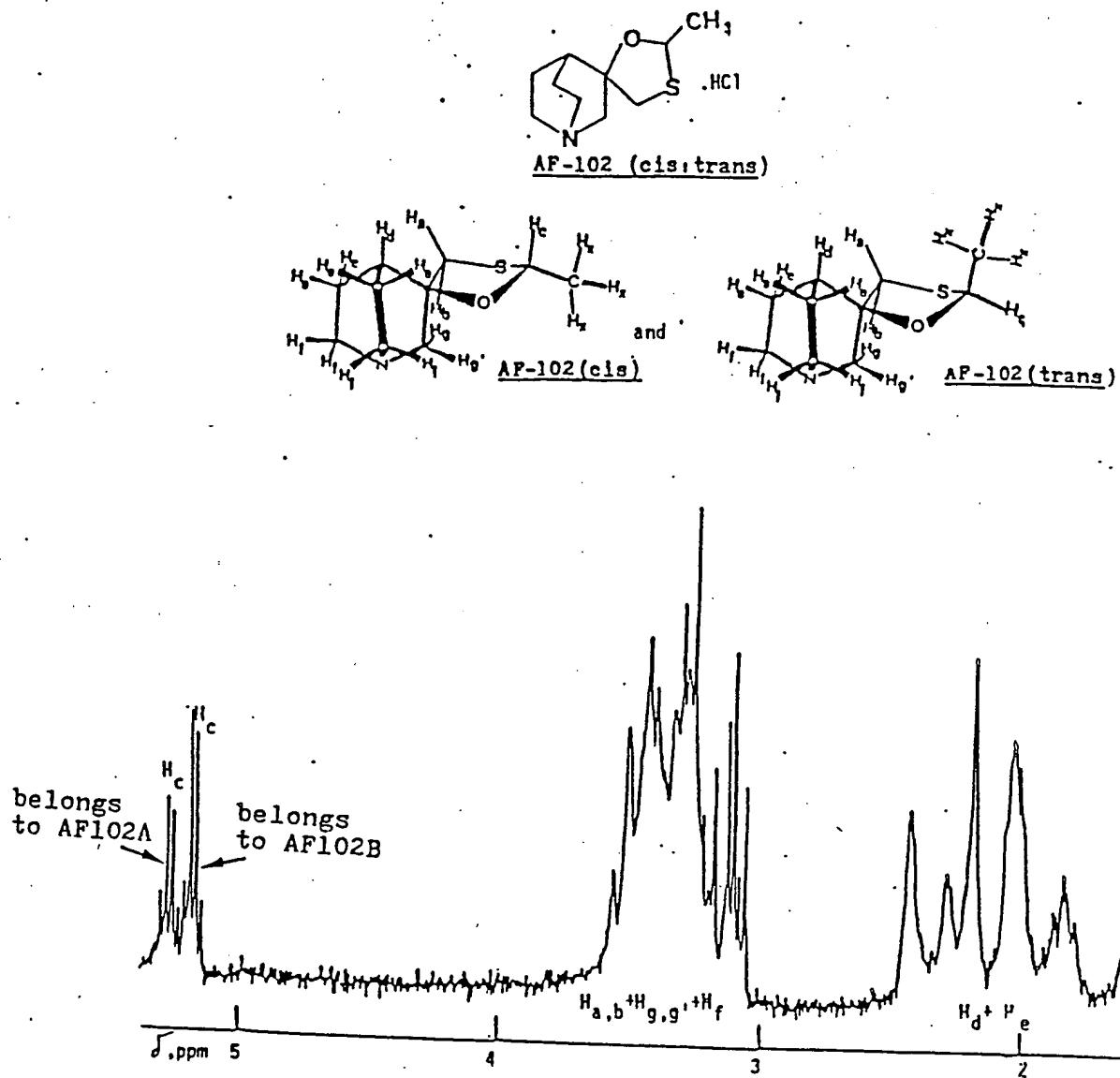
TMS



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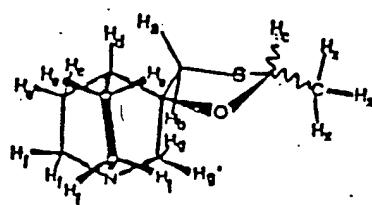
FIG. 2 250 MHz NMR of AF-102 (cis: trans) the HCl salts in CDCl_3



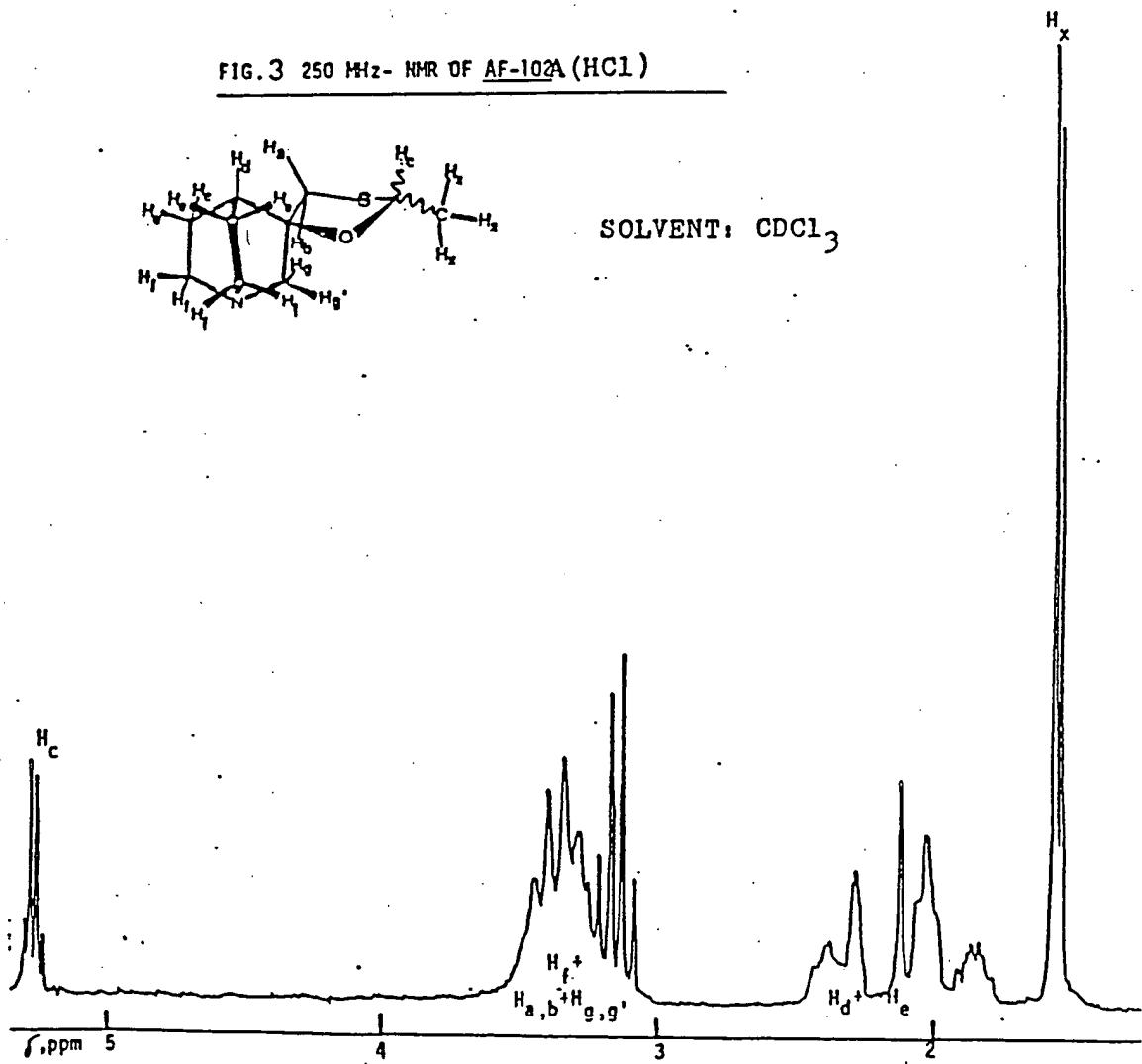
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FIG. 3 250 MHz- NMR OF AF-102A (HCl)

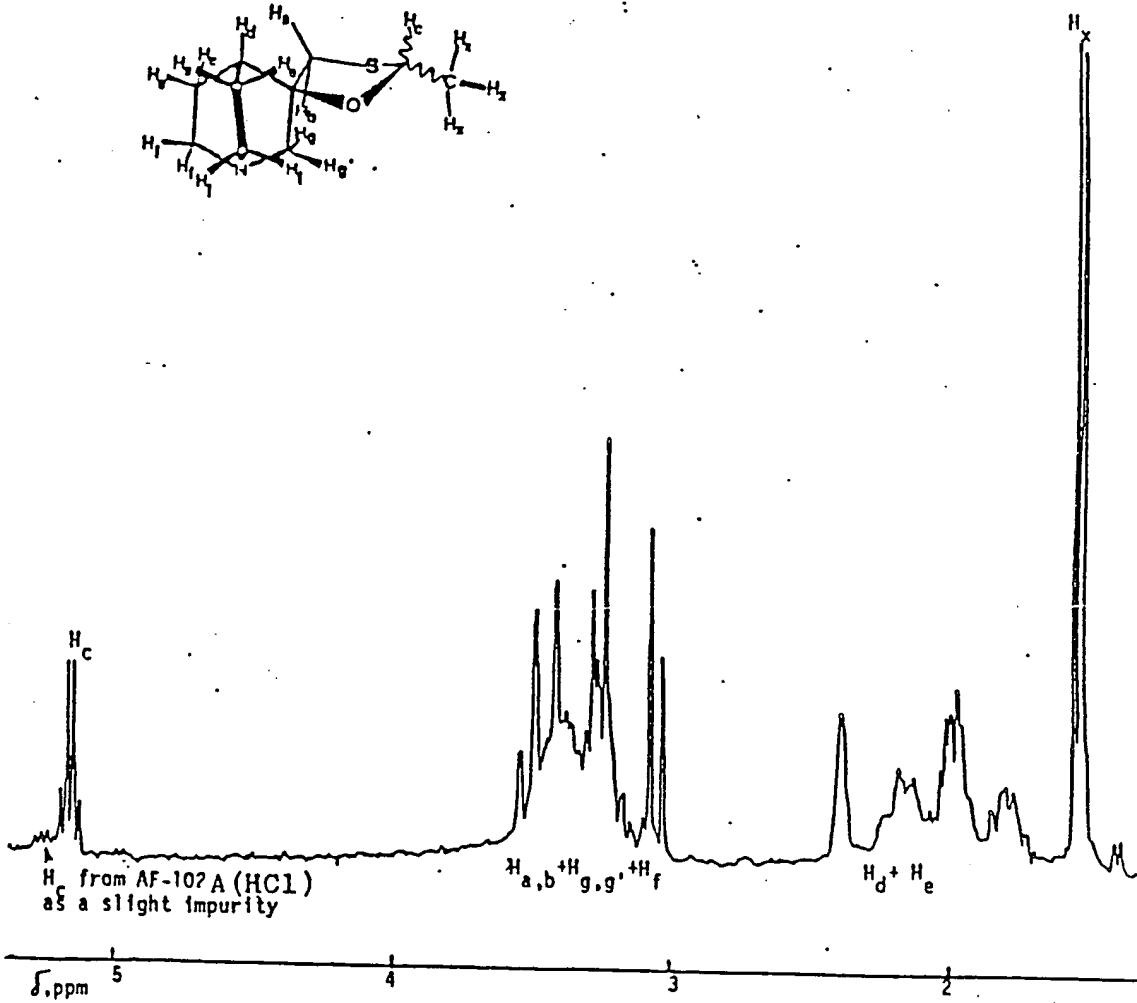


SOLVENT: CDCl₃



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FIG.4 250 MHz- NMR OF AF-102B (HCl) IN CDCl_3



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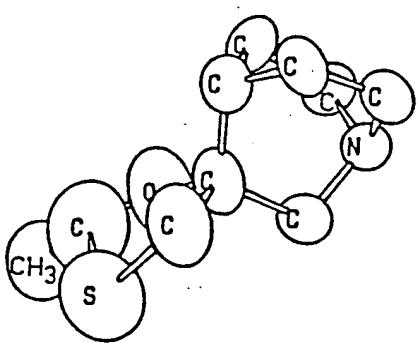
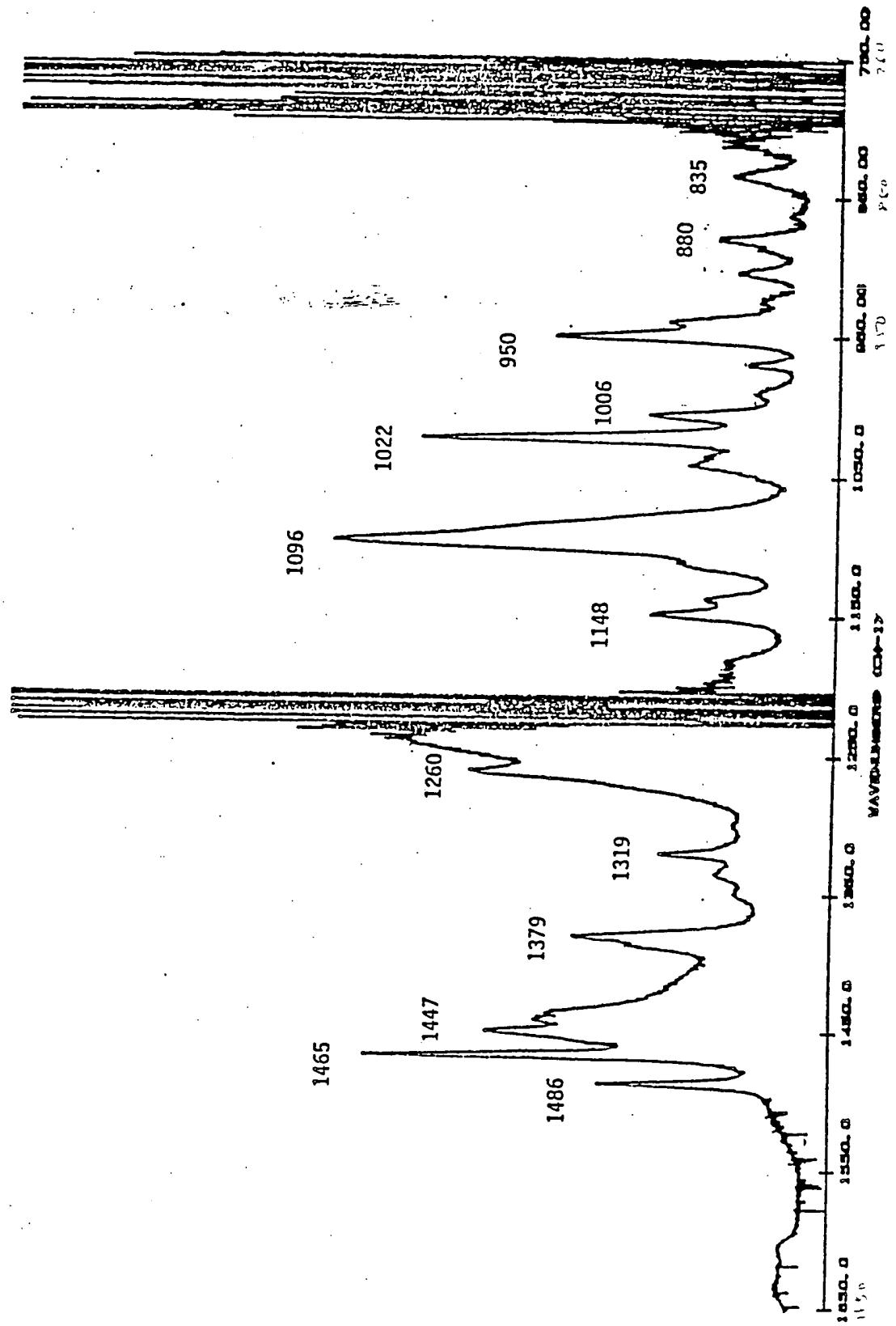


FIG 5

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FIG. 6 IR SPECTRUM OF AF102A



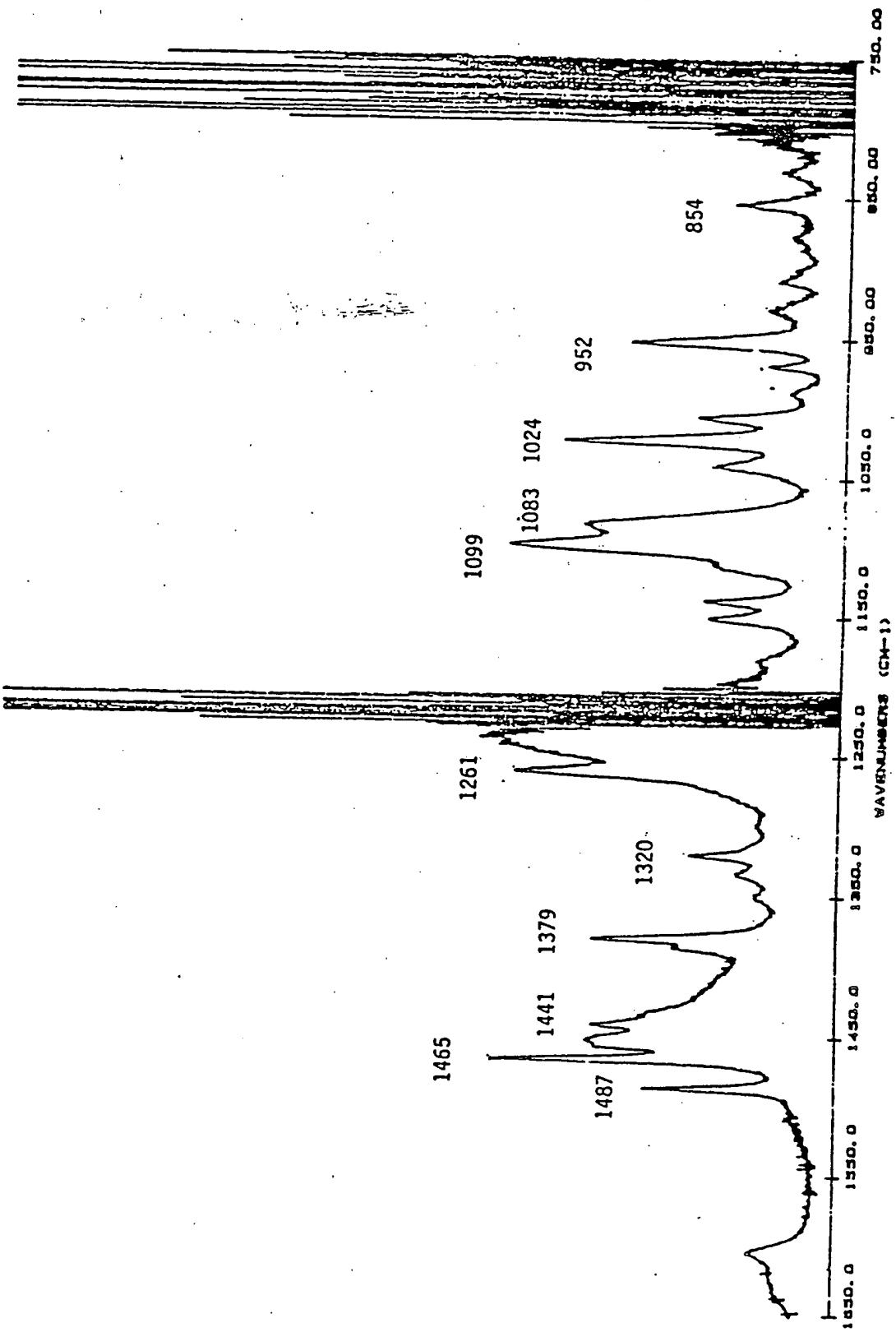
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FIG 7 . IR SPECTRUM OF AF102B

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- 5 -



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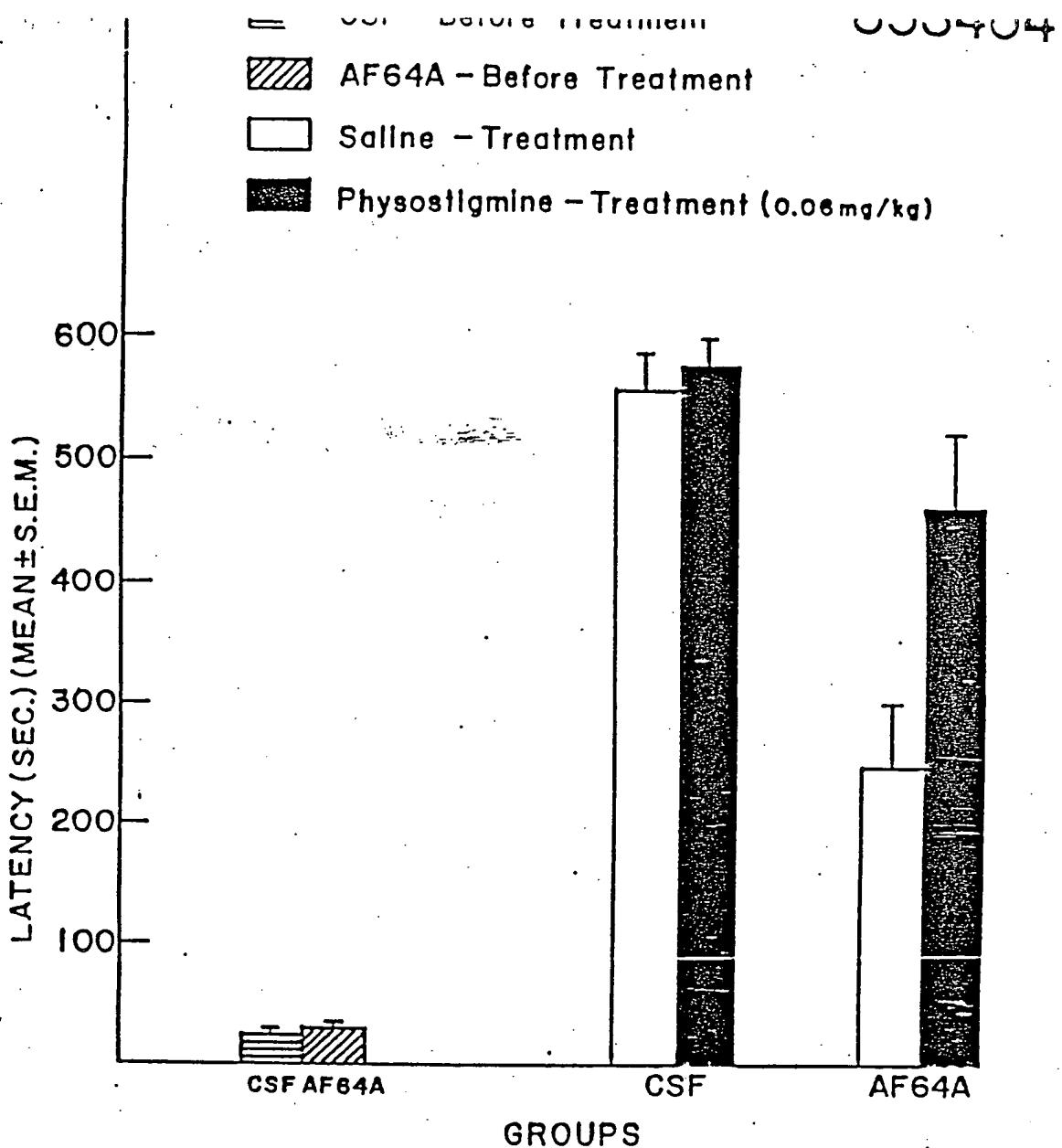


Fig. 8 Initial latency measures and retention-test latency measures (sec.) of the AF64A and CSF-injected groups, before and after physostigmine or saline administration.

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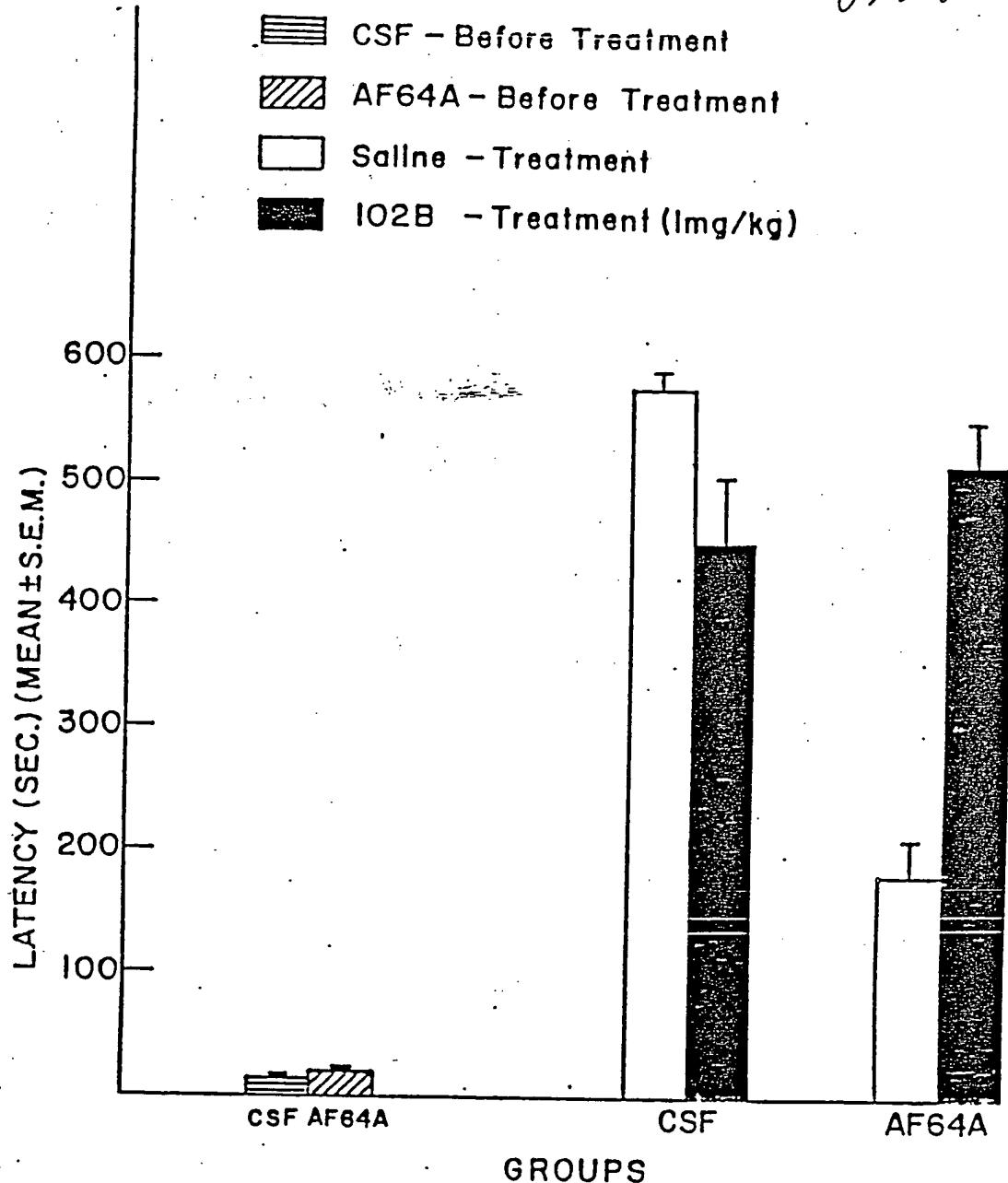


Fig. 9: Initial latency measures and retention-test latency measures (sec.) of the AF64A and CSF-injected groups, before and after AF102B or saline administration.

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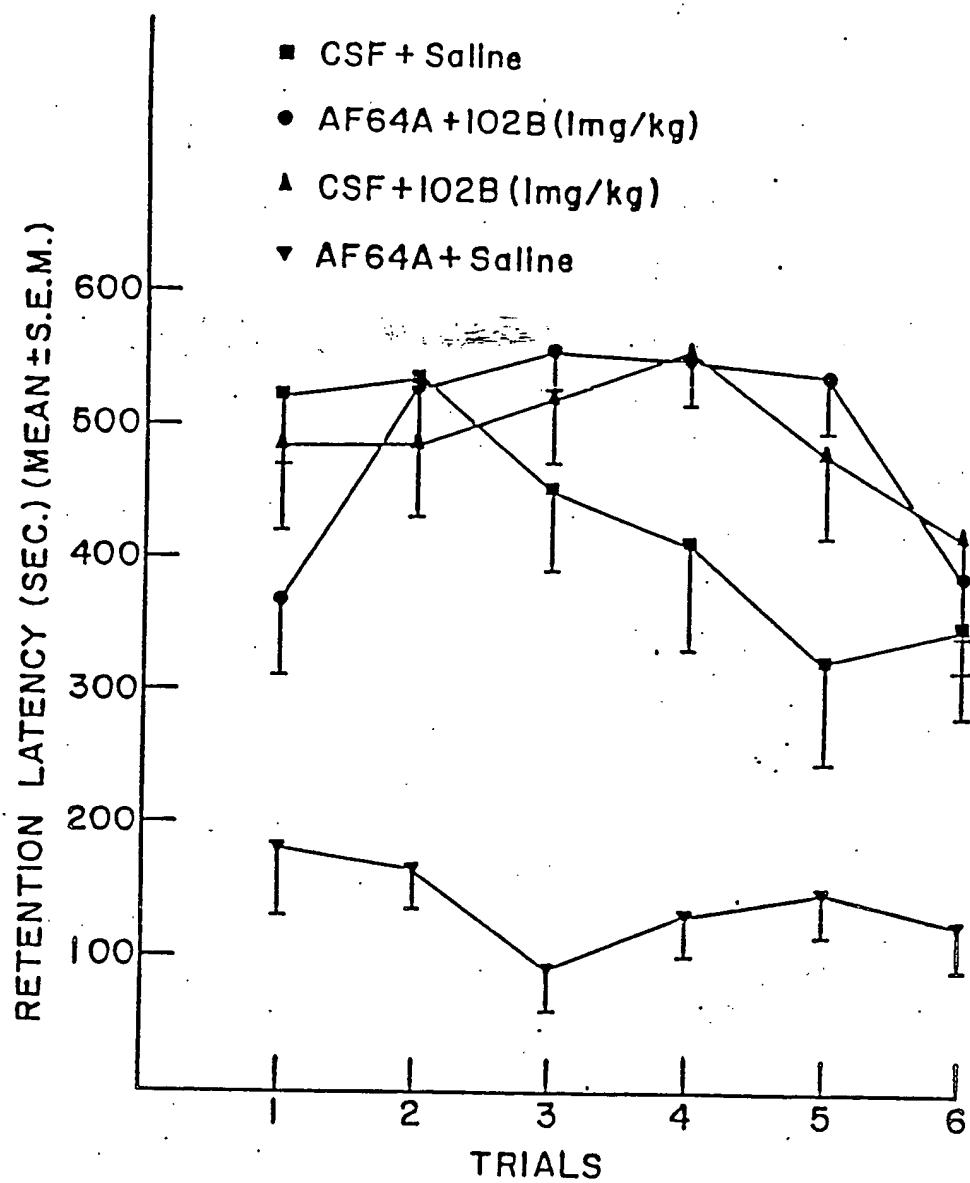


Fig. 10 : Retention-test latency measures during 6 trials of extinction.

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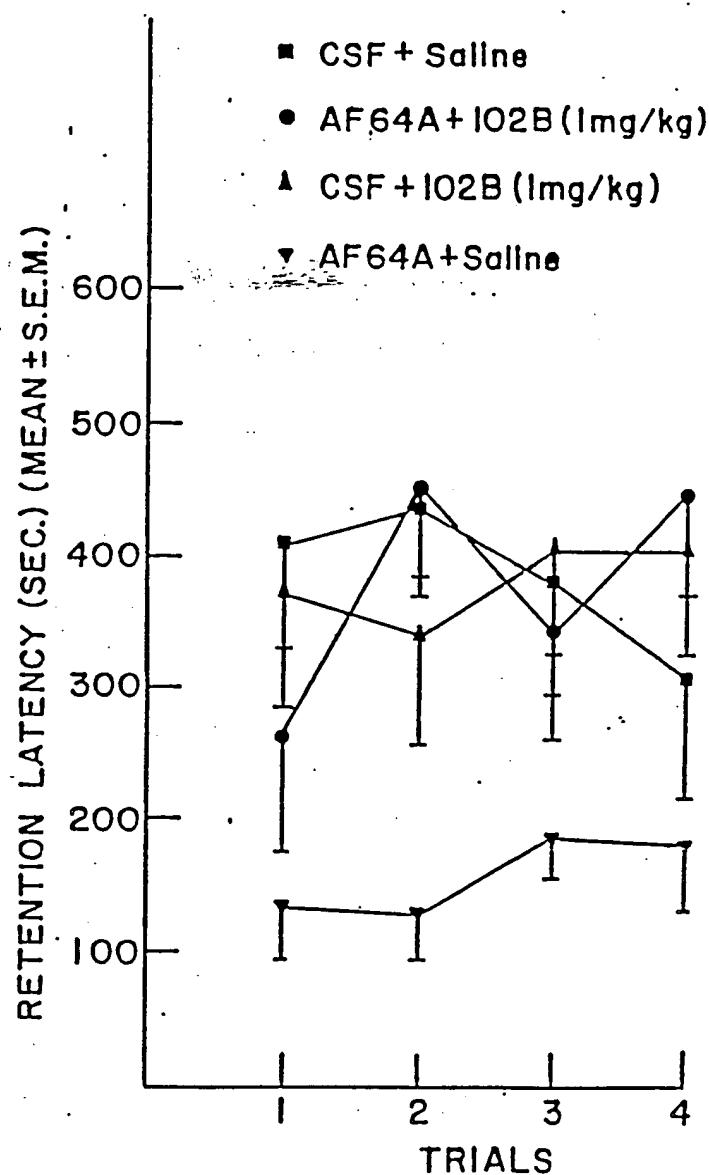


Fig. 11 : Retention-test latency measures during 4 trials of "extinction + latent extinction"

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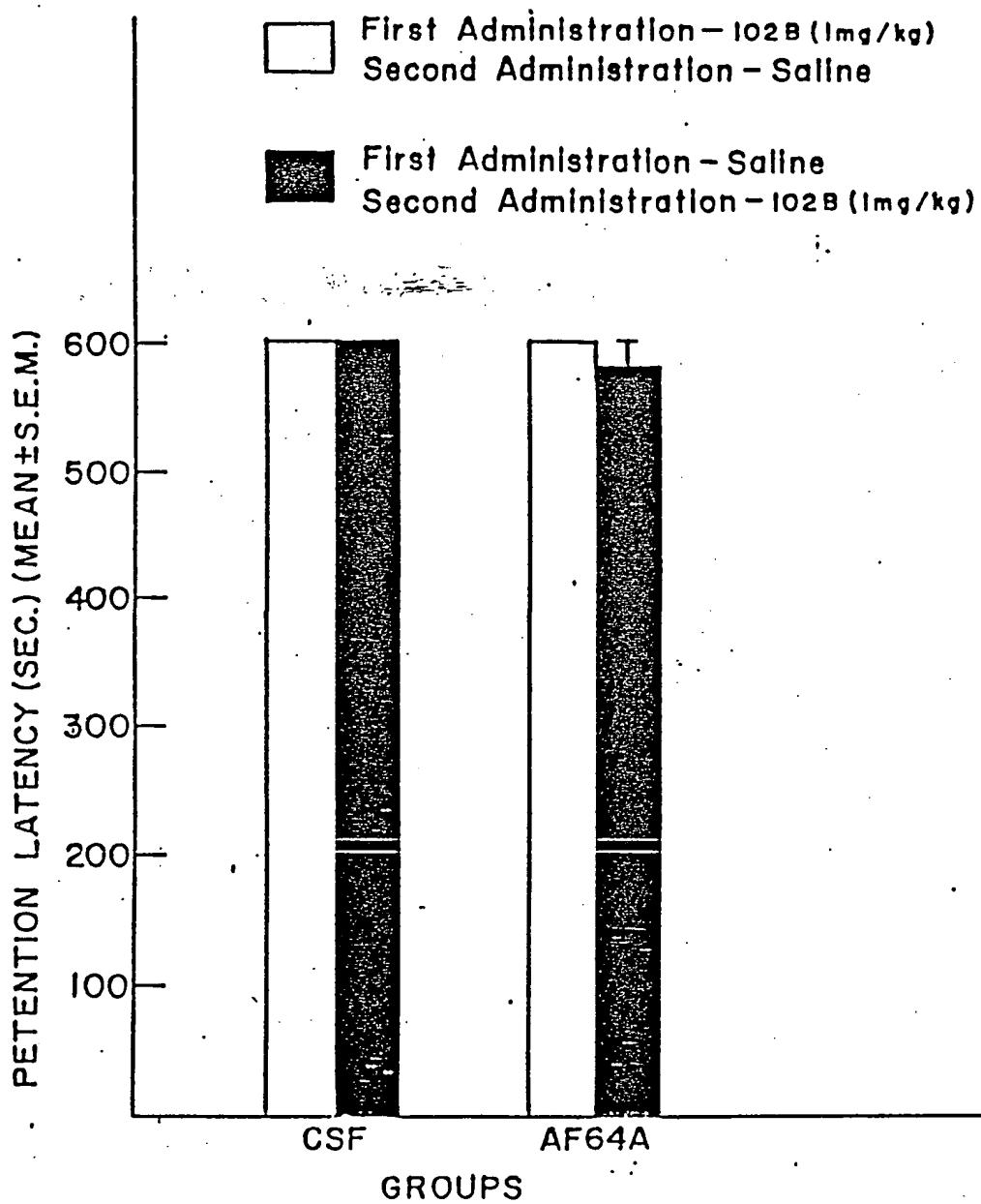


Fig.12: Retention-test latency measures (sec.) of the AF64A and CSF-injected groups, after second administration of AF1C2B or saline.

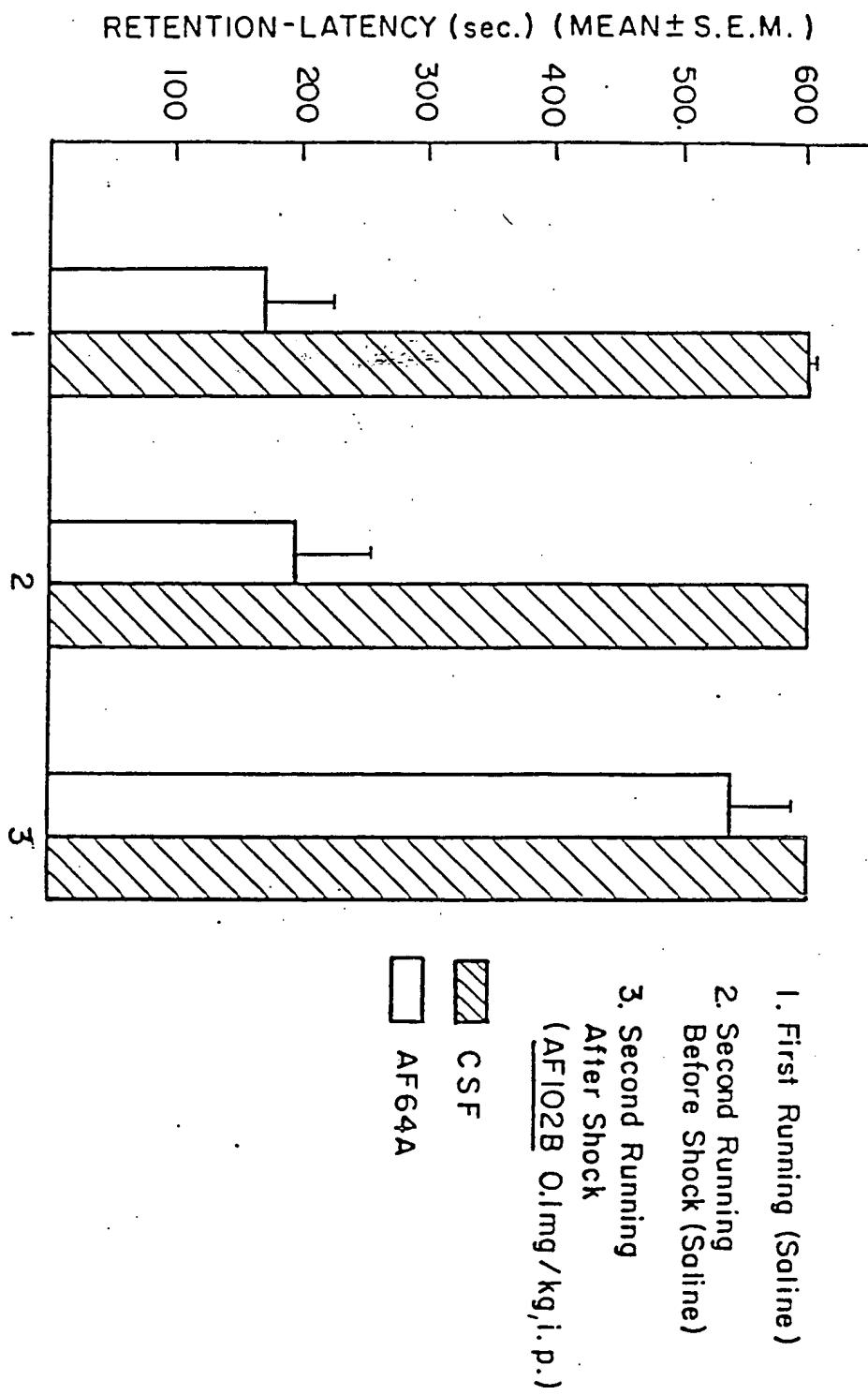


FIG.13 : Retention-test latency measures(sec.) of the AF64A and CSF-injected groups, after AF102B or saline administration.

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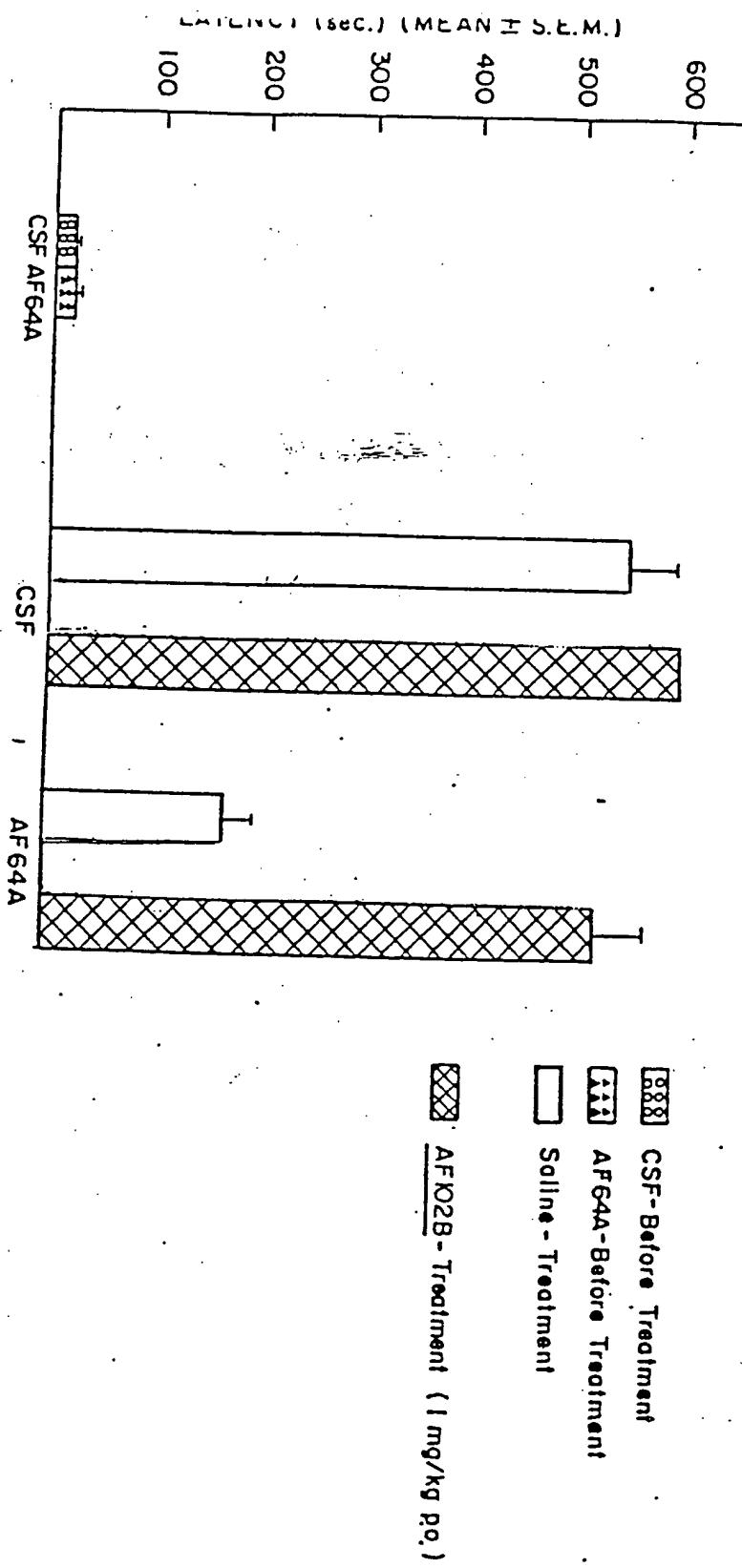


FIG.14: Latency measures (sec.) of the AF64A and CSF- injected groups before and after saline administration.

AF102B

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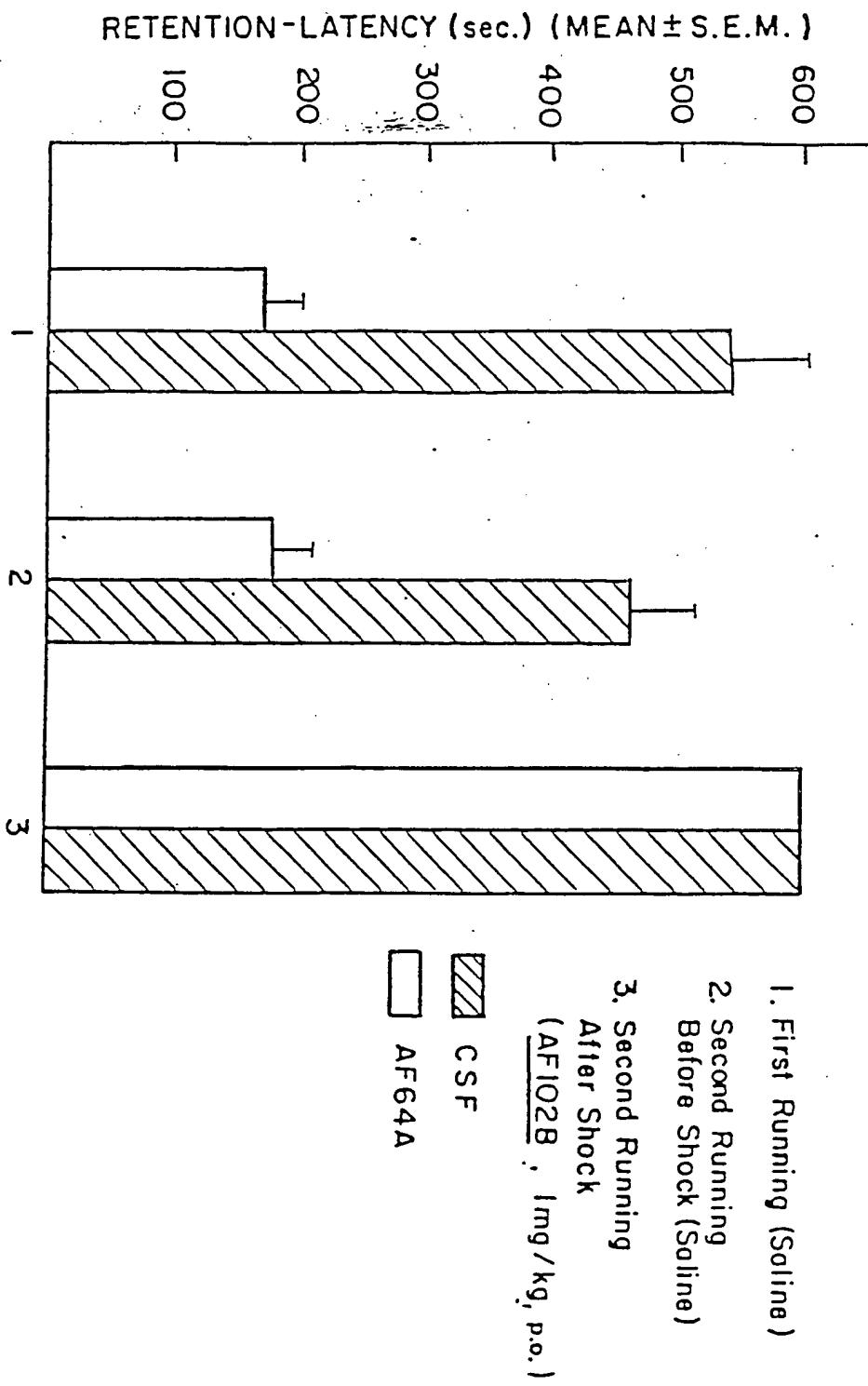


FIG.15 : Retention- test latency measures(sec.) of the AF64A and CSF- injected groups, after AF102B or saline administration.

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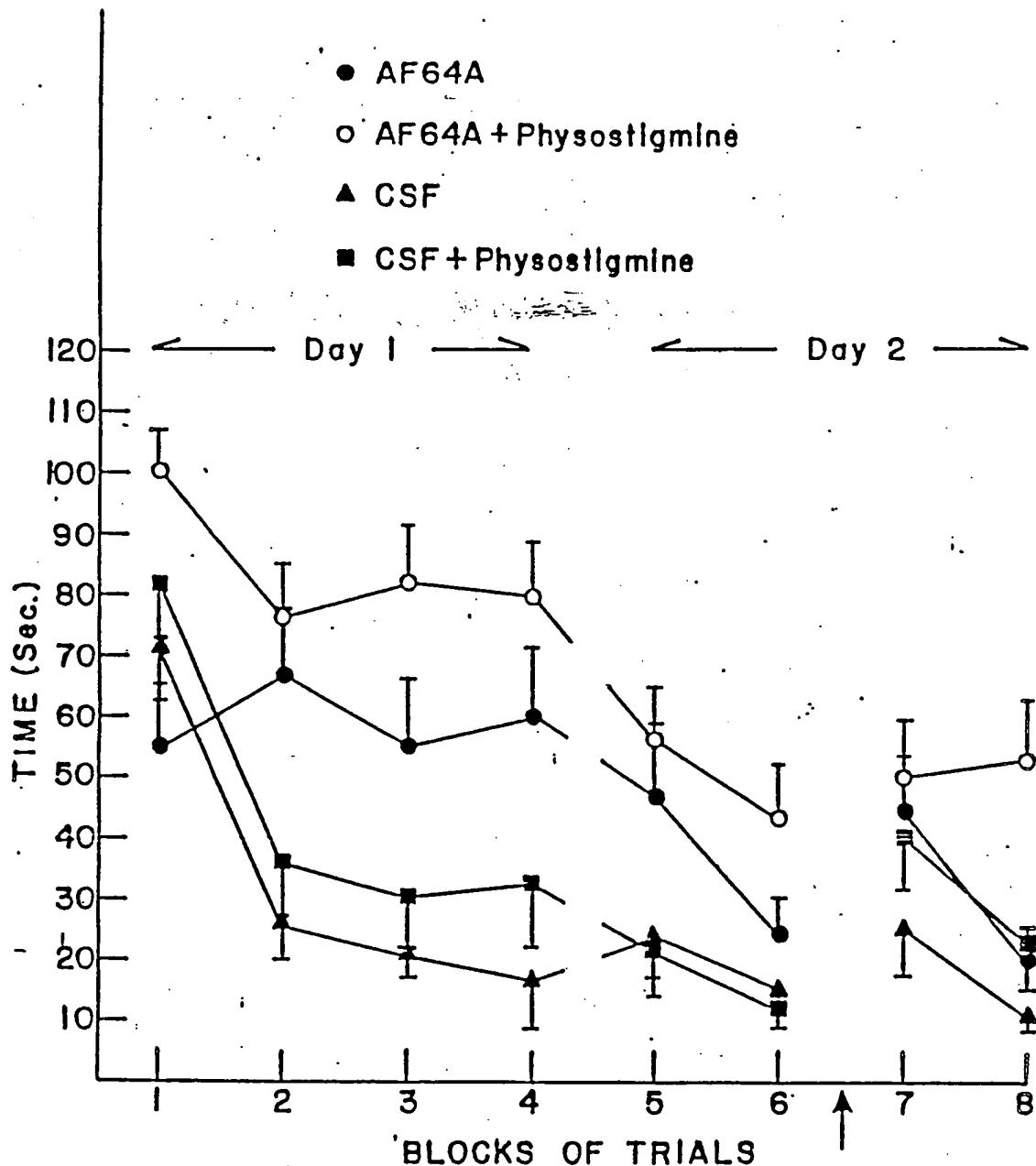


FIG 16 : Escape latency measures, in blocks of 2 trials, of the AF64A and CSF-injected groups, after physostigmine administration.

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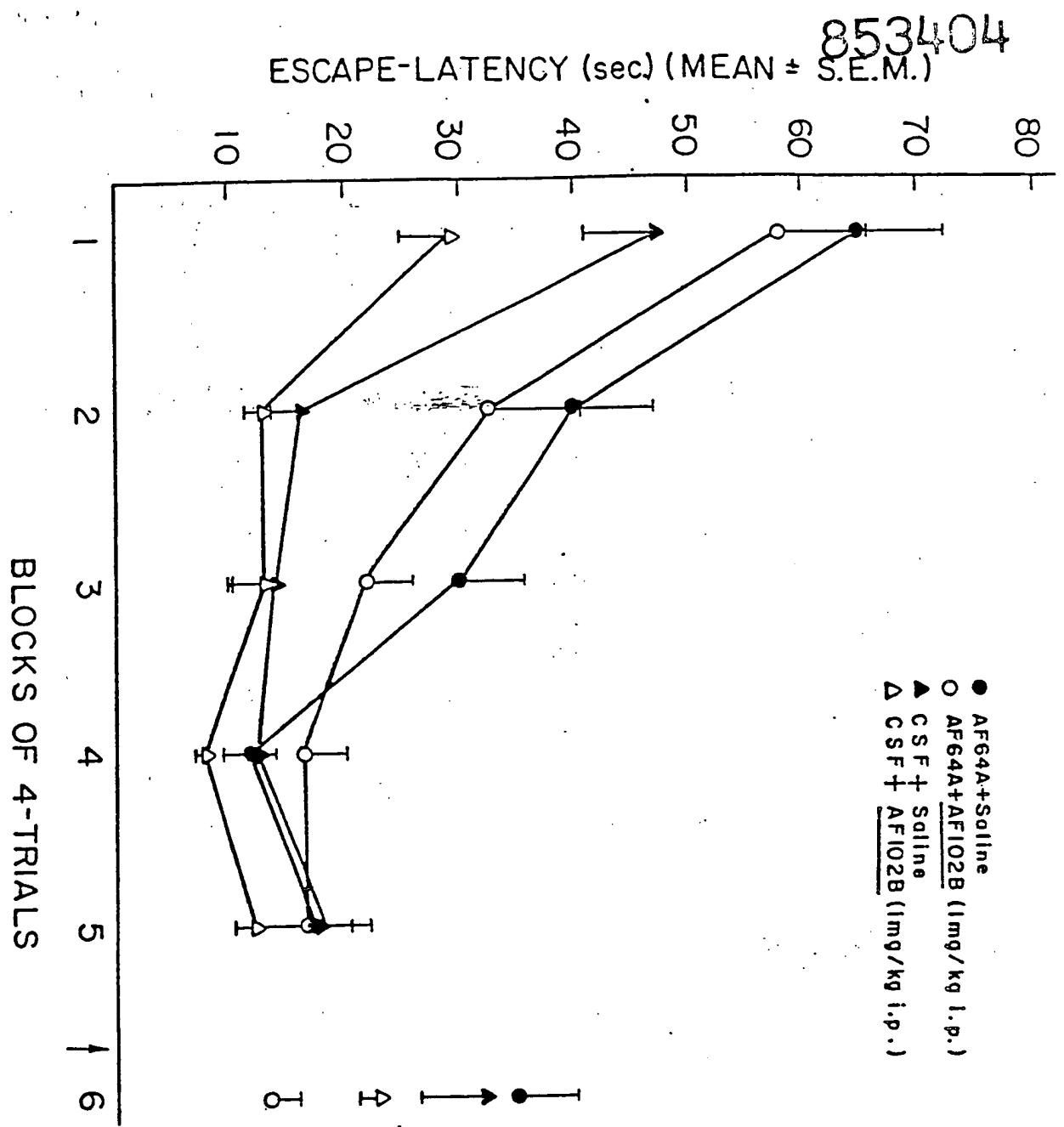


FIG. 17 : Escape latency measures of the AF64A and CSF-injected groups after AF102B administration; MM test.

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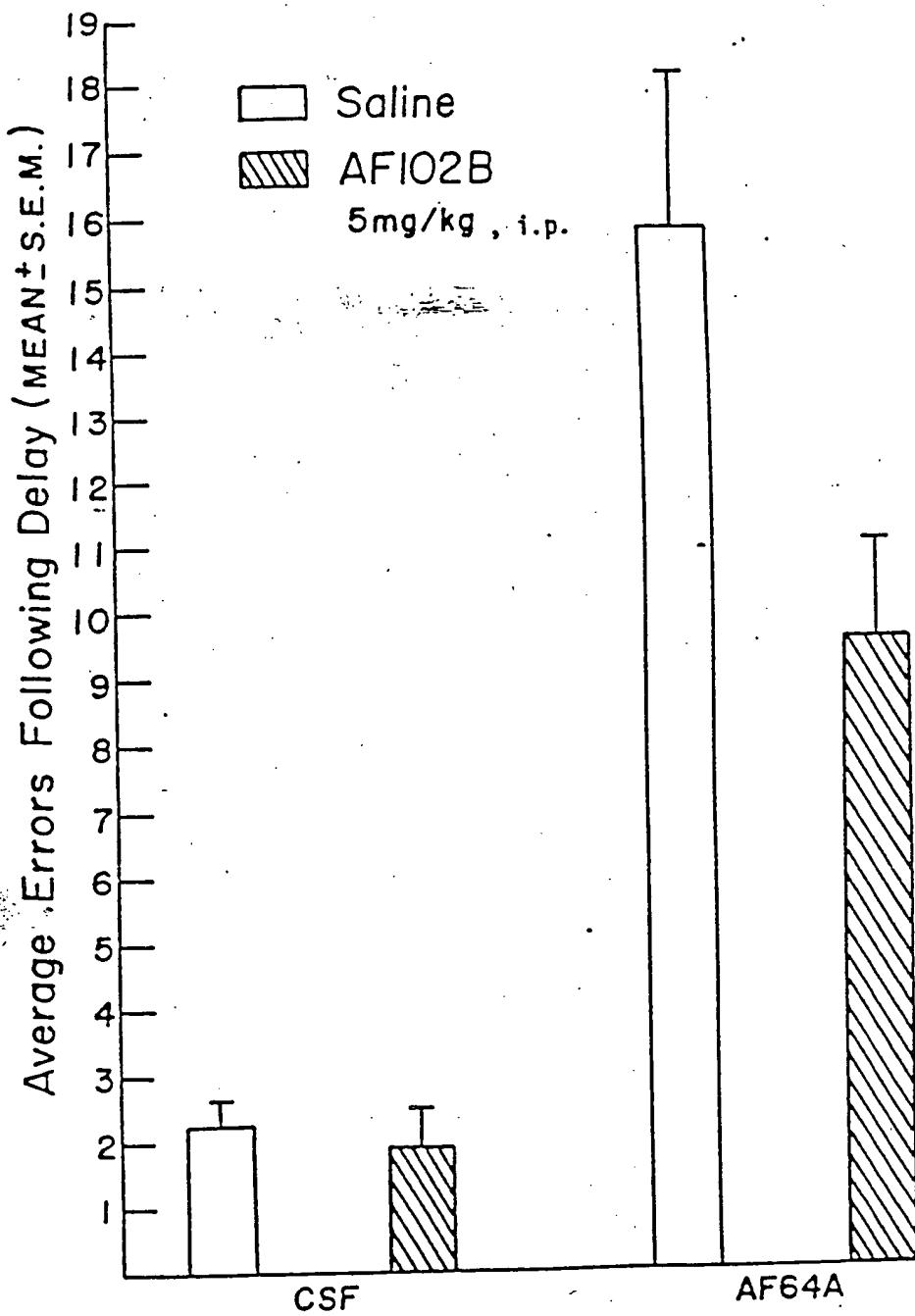


FIG. 18 Average error in the RAM of AF64A- and CSF-injected rats after saline and AF102B administration.

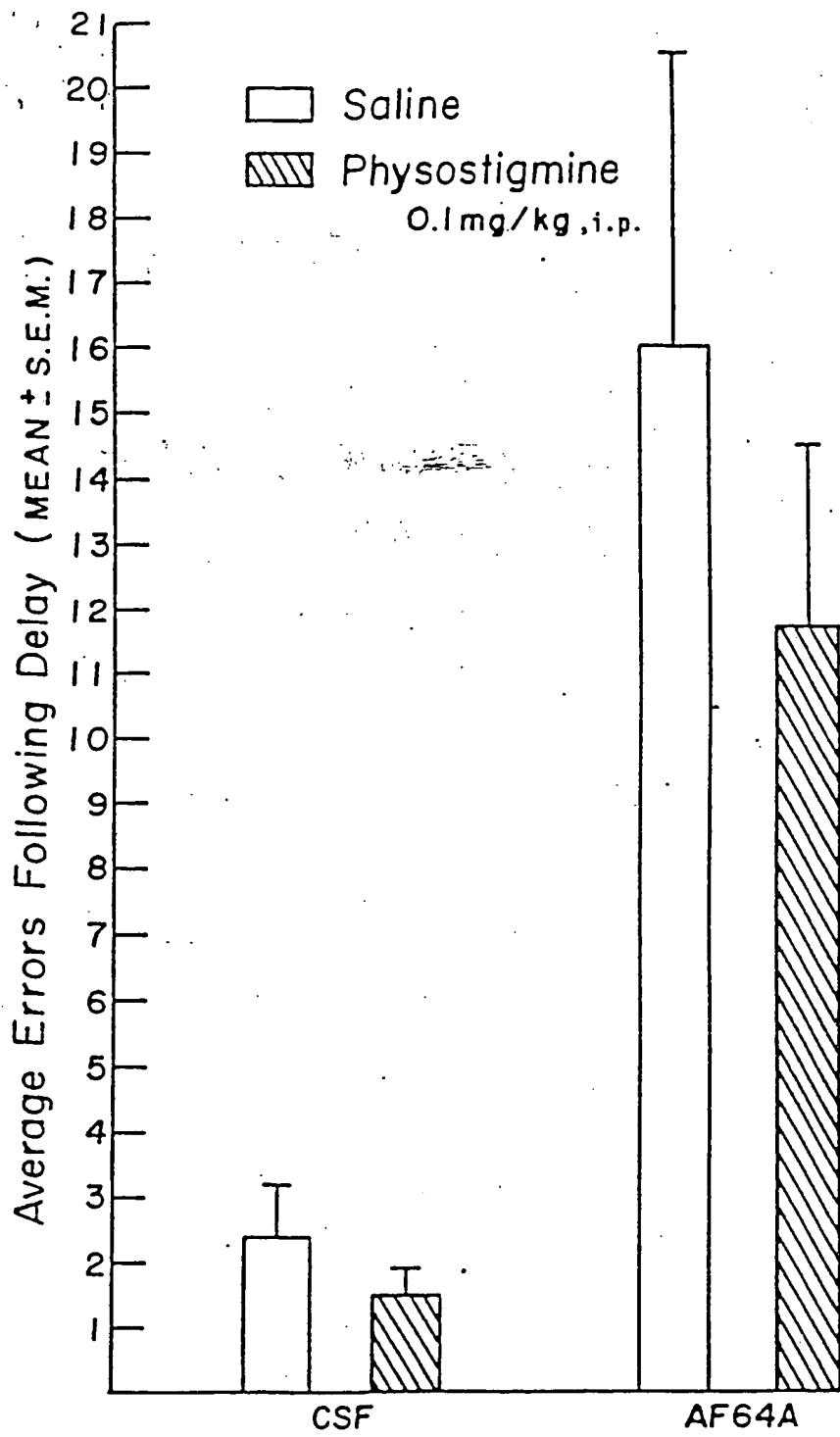


FIG.19 Average error in the RAM of AF64A- and CSF-injected rats after saline and physostigmine administration, respectively.

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